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1 **Theoretical and experimental characterisation of the satellite-to-indoor radio channel**
Frigyes, I.; Molnar, B.; Juhasz, L.; Papp, I.; Bodnar, Z.; Berces, J.; Som, F.; Kasa, A.;
Satellite Systems for Mobile Communications and Navigation, 1996., Fifth International Conference on , 13-15 May 1996
Page(s): 47 -50

[Abstract] [PDF Full-Text (364 KB)] **IEE CNF**

2 **Cycles of ECG parameter evolution during ischemic episodes**
Presedo, J.; Fernandez, E.A.; Vila, J.; Barro, S.;
Computers in Cardiology 1996 , 8-11 Sept. 1996
Page(s): 489 -492

[Abstract] [PDF Full-Text (300 KB)] **IEEE CNF**

3 **Probabilistic segmentation of volume data for visualization using SOM-PNN classifier**
Feng Ma; Wenping Wang; Wai Wan Tsang; Zesheng Tang; Shaowei Xia; Xin Tong;
Volume Visualization, 1998. IEEE Symposium on , 19-20 Oct. 1998
Page(s): 71 -78, 169

[Abstract] [PDF Full-Text (1400 KB)] **IEEE CNF**

4 **Keyword selection method for characterizing text document maps**
Lagus, K.; Kaski, S.;
Artificial Neural Networks, 1999. ICANN 99. Ninth International Conference on (Conf. Publ. No. 470) , Volume: 1 , 7-10 Sept. 1999

Page(s): 371 -376 vol.1

[Abstract] [PDF Full-Text (552 KB)] **IEE CNF**

5 **SOM hardware with acceleration module for graphical representation of the learning process**
Porrmann, M.; Ruping, S.; Ruckert, U.;
Microelectronics for Neural, Fuzzy and Bio-Inspired Systems, 1999. MicroNeuro '99. Proceedings of the Seventh International Conference on , 7-9 April 1999
Page(s): 380 -386

[Abstract] [PDF Full-Text (124 KB)] **IEEE CNF**

6 **Coloring that reveals high-dimensional structures in data**
Kaski, S.; Venna, J.; Kohonen, T.;
Neural Information Processing, 1999. Proceedings. ICONIP '99. 6th International Conference on , Volume: 2 , 16-20 Nov. 1999
Page(s): 729 -734 vol.2

[Abstract] [PDF Full-Text (316 KB)] **IEEE CNF**

7 **Digital libraries-classification and visualization techniques**
Merkl, D.; Rauber, A.;
Digital Libraries: Research and Practice, 2000 Kyoto, International Conference on. , 13-16 Nov. 2000
Page(s): 434 -438

[Abstract] [PDF Full-Text (652 KB)] **IEEE CNF**

8 **A new approach to hybrid SOM implementations for text classification**
Gunther, P.; Chen, P.;
Fuzzy Systems, 2001. The 10th IEEE International Conference on , Volume: 2 , 2-5 Dec. 2001
Page(s): 968 -971 vol.3

[Abstract] [PDF Full-Text (576 KB)] **IEEE CNF**

9 **Adaptive reconstruction of freeform objects with 3D SOM neural network grids**
Barhak, J.; Fischer, A.;
Computer Graphics and Applications, 2001. Proceedings. Ninth Pacific Conference on , 16-18 Oct. 2001
Page(s): 97 -105

[Abstract] [PDF Full-Text (803 KB)] **IEEE CNF**

10 **Texture synthesis using image pyramids and self-organizing maps**
Parada, P.; Ruiz-del-Solar, J.;
Image Analysis and Processing, 2001. Proceedings. 11th International Conference on , 26-28 Sept. 2001
Page(s): 244 -249

[Abstract] [PDF Full-Text (544 KB)] **IEEE CNF**

11 **Parameterization and reconstruction from 3D scattered points based on neural network and PDE techniques**
Barhak, J.; Fischer, A.;
Visualization and Computer Graphics, IEEE Transactions on , Volume: 7 Issue: 1 , Jan.-March 2001
Page(s): 1 -16

[Abstract] [PDF Full-Text (1808 KB)] **IEEE JNL**

12 **Self-organizing maps for contingency analysis: visual classification and temporal evolution**
Garcia-Lagos, F.; Joya, G.; Marin, F.J.; Sandoval, F.;
IECON 02 [Industrial Electronics Society, IEEE 2002 28th Annual Conference of the] , Volume: 2 , 5-8 Nov. 2002
Page(s): 1451 -1456 vol.2

[Abstract] [PDF Full-Text (469 KB)] **IEEE CNF**

13 **Visual data mining and monitoring in steel processes**
Cuadrado, A.A.; Diaz, I.; Diez, A.B.; Obeso, F.; Gonzalez, J.A.;
Industry Applications Conference, 2002. 37th IAS Annual Meeting. Conference Record of the , Volume: 1 , 13-18 Oct. 2002
Page(s): 493 -500 vol.1

[Abstract] [PDF Full-Text (413 KB)] **IEEE CNF**

14 **An interactive tool for segmentation, visualization, and navigation of magnetic resonance images**
Faulkner, A.; Bhandarkar, S.;
Computer-Based Medical Systems, 2003. Proceedings. 16th IEEE Symposium , 26-27 June 2003
Page(s): 340 -345

[Abstract] [PDF Full-Text (317 KB)] **IEEE CNF**

15 **DNA classifications with self-organizing maps (SOMs)**
Naenna, T.; Bress, R.A.; Embrechts, M.J.;
Soft Computing in Industrial Applications, 2003. SMCia/03. Proceedings of the 2003 IEEE International Workshop on , 23-25 June 2003
Page(s): 151 -154

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WEBSOM - Self-Organizing Maps of Document Collections - Honkela (1997) (Correct) (46 citations)
In Proceedings of WSOM'97, Workshop on **Self-Organizing Maps**, Espoo, Finland, June 4-6, pages 310-315.
set of HTML documents that can be viewed using a **graphical** WWW browser. The potential of the WEBSOM method
websom.hut.fi/websom/doc/ps/honkela97wsom.ps.gz

One or more of the query terms is very common - only partial results have been returned. Try Google (CiteSeer).

Self Organization of a Massive Document Collection - Kohonen, al. (Correct) (41 citations)
to textual similarities. It is based on the **Self-Organizing Map** (SOM) algorithm. As the feature vectors
levels before reaching the documents. To provide **gui**dance to the exploration, an automatic method has
a textual document collection is organized onto a **graphical** map display that provides an overview of the
websom.hut.fi/websom/doc/ps/kohonen00trnn.ps.gz

SONIA: A Service for Organizing Networked Information.. - Sahami, Yusufali.. (1998) (Correct) (28 citations)
the WEBSOM system [21]WEBSOM uses a **Self-Organizing Map** (SOM) 12] to group together related words
also designed with efficiency in mind, SenseMaker **GUI** Alta Vista DIALOG Proxy Proxy Proxy Proxy SONIA
robotics.stanford.edu/users/sahami/papers-dir/dl98-sonia.ps

Model-Based Learning for Mobile Robot Navigation from the.. - Tani (1996) (Correct) (18 citations)
map by utilizing the idea of Kohonen's **Self-Organizing-Map** [25]Although this approach, which is
local representation. A mobile robot acquires a **graphical** representation of landmark types as it moves in
ftp.csl.sony.co.jp/CSL/CSL-Papers/94/SCSL-TR-94-020.ps.Z

The Self-Organizing Map in Industry Analysis - Simula, Vasara, Vesanto, Helminen (1999) (Correct) (8 citations)
The **Self-Organizing Map** in Industry Analysis Olli Simula 1

based methods such as k-Nearest Neighbors (kNN)**graphical** dependency models and relational learning [3]
www.cis.hut.fi/projects/monitor/publications/papers/iti.ps

Methods for Interpreting a Self-Organized Map in Data Analysis - Kaski, Nikkilä, Kohonen (1998) (Correct) (7 citations)
2200, FIN-02015 HUT, FINLAND Abstract. The **Self-Organizing Map** (SOM) can be used for forming overviews of
data sets and for visualizing them on **graphical** map displays. Each map location represents
in the values of the variable. Examples of **graphical** displays showing the contribution of two
cochlea.hut.fi/~sami/papers/esann98_reprint.ps.gz

Text Mining: The state of the art and the challenges - Tan (1999) (Correct) (6 citations)
clustering and visualization tool based on **Self-Organizing Map**. IBM's Technology Watch, developed jointly
automatically from sample documents and visually **gui**des you to construct searches. Inxight's LinguistX
groups or clusters of the documents in certain **graphical** representation. The following list is by no
textmining.krdl.org.sg/docs/text_mining_KDAD99.ps

A Metaphor Graphics Based Representation of Digital Libraries.. - Rauber, Bina (1999) (Correct) (4 citations)
a set of documents by their contents. The **self-organizing map** (SOM) 6]a popular unsupervised neural
in conventional libraries, which can be used as **graphical** representations for the metadata of digital
the benefits of visualizing metadata using **graphical** metaphors, followed by some conclusions in
www.ifs.tuwien.ac.at/ifs/research/pub_ps/rau_webvis99.ps.gz

Coloring that Reveals High-Dimensional Structures in Data - Kaski, Venna, Kohonen (1999) (Correct) (3 citations)
structure is rst discovered with the **Self-Organizing Map** (SOM)and then a new nonlinear data, namely, its cluster structure, on **graphical** map displays. In this paper we introduce a SOM algorithm can be used to form twodimensional **graphical** displays that are visual overviews of data
www.cis.hut.fi/~sami/papers/iconip99.ps.gz

Browsing Digital Libraries with the Aid of Self-Organizing.. - Kaski, Honkela, Kohonen (1996) (Correct) (3 citations)
Browsing Digital Libraries with the Aid of **Self-Organizing Maps** Krista Lagus, Samuel Kaski, Timo Honkela,
what the information space looks like, and then by **gui**ding one to the information of interest.
order of detail. The first two levels display the **graphical** map, first the general view and

then a closer
websom.hut.fi/websom/doc/ps/lagus96.ps.gz

Optimizing the parSOM Neural Network Implementation for.. - Tomsich, Rauber, Merkl (2001) (Correct) (2 citations)
Abstract The **self-organizing map** is a prominent unsupervised neural network
and the weight vector. The amount of adaptation is **gui**ded by a learning-rate that is gradually
t) h ci (t) x(t) m i (t)2) A simple **graphical** representation of a **self-organizing map**'s
www.ifs.tuwien.ac.at/ifs/research/pub_ps/tom_padd00.ps.gz

parSOM: Using parallelism to overcome memory latency in.. - Tomsich, Rauber, Merkl (2000) (Correct) (2 citations)
Abstract. The **self-organizing map** is a prominent unsupervised neural network
and the weight vector. The amount of adaptation is **gui**ded by a learningrate that is gradually
t) h ci (t) x(t) m i (t)3) A simple **graphical** representation of a **self-organizing map**'s
www.ifs.tuwien.ac.at/ifs/research/pub_ps/tom_hpcn00.ps.gz

Use of Shape Features in Content-Based Image Retrieval - Brandt (1999) (Correct) (2 citations)
image retrieval, image databases, **Self-Organizing Map**, neural computing Library code:
to my instructor Dr. Jorma Laaksonen for his **gui**dance and for reading and giving comments and
Element Method FFT Fast Fourier Transform GIF **Graphical** Interchange Format HSI Hue, Saturation,
www.cis.hut.fi/picsom/thesis-brandt.ps.gz

Multi-document Summarization by Visualizing Topical Content - Ando, Boguraev, Byrd, Neff (2000) (Correct) (1 citation)
(Hemmje et al.1994)and applications of **self-organizing map** utilizing neural network technique
with multiple general topics. Textual and **graphical** presentation Since our multi-document summaries
fully understanding the summary)additional **graphical** components are needed in the interface. To our
www.cs.cornell.edu/people/kubotar/paper/summws00_toappear.pdf

SOMLib: A Digital Library System Based on Neural Networks - Rauber, Merkl (1999) (Correct) (1 citation)
representation and query processing. The **self-organizing map**, a popular unsupervised neural network
of documents provided by the SOM with a **graphical** interpretation of metadata based on the Dublin
www.ifs.tuwien.ac.at/ifs/research/pub_ps/rau_acmdl99.ps.gz

CIA's view of the world and what neural networks learn from.. - Merkl, Rauber (1998) (Correct) (1 citation)
on noisy patterns. In particular we rely on **self-organizing maps** which produce a map of

the document space
pattern. The amount of weight vector movement is **gui**ded by a so-called learning rate, ff, decreasing in
in the output space. Consider Figure 1 for a **graphical** representation of **self-organizing maps**. The map
www.ifs.tuwien.ac.at/ifs/research/pub_ps/mer_dexa98.ps.gz

Self-Organizing Feature Extraction In Recognition Of Wood.. - Lampinen, Smolander (1996) (Correct) (1 citation)
into a small number of features with **self-organizing maps**. The histograms of the self-organized
out in cooperation with the ARGUS project in the **Graphical** Laboratory of Finnish Technical Research
www.lce.hut.fi/publications/ps/Lampinen_IJPRAI96.ps

Adaptive Recognition of Online, Cursive Handwriting - Schomaker, Helsper.. (1993) (Correct) (1 citation)
vectors that are clustered using a Kohonen **SelfOrganizing Map** as a feature quantizer. In the current
Allograph Labeling, is a manual process using a **graphical** pen-driven interface. A list of rules/criteria
ftp.nici.kun.nl/pub/nici/papers/schomaker/igs-paris.ps.gz

On the Similarity of Eagles, Hawks, and Cows: Visualization of .. - Merkl, Rauber (1997) (Correct) (1 citation)
Visualization of Semantic Similarity in **Self-Organizing Maps** Dieter Merkl, Andreas Rauber Institut fur
using the adaptive coordinates of the units for **graphical** representation. Adaptation tends to be very
groups of animals results in almost overlapping **graphical** representation. This, however, is merely a
www.ifs.tuwien.ac.at/ifs/research/pub_ps/mer_fns97.ps.gz

Representation of Document Archives for Interactive Exploration - Merkl, Rauber (Correct)
interest. In particular, we rely on **self-organizing maps**, which produce a map of the document
labeling of the topical clusters and a metaphor-**graphical** representation of the documents, followed by
no longer represented as textual listings, but as **graphical** objects of dierent representation types such
www.ifs.tuwien.ac.at/ifs/research/pub_ps/mer_delos00.ps.gz

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Free Software For Analyzing Aviris Imagery - Smith, Frolov (Correct)
informative three-band color combination, a **self-organizing map** classifier, and an auto-correlogram
Airborne Imaging Spectrometer Science Investigator's **Gui**de to AIS Data, Jet Propulsion Labortory Kohonen,
Analysis process provides an interactive **graphical** interface for working with hyperspectral images
makalu.jpl.nasa.gov/docs/workshops/99_docs/55.pdf

"'Andreas Rauber'? Conference Pages Are over There, German.. - Rauber, Bina (Correct)
digital library system a neural network, the **self-organizing map** (SOM)is used to organize documents into
having to read any description. This problem of **graphical** document representation has been analyzed in
document retrieval, content analysis and **graphical** representation. Section 3 then presents an
www.ifs.tuwien.ac.at/ifs/research/pub_ps/rau_webvis00.ps.gz

Methods for Exploratory Cluster Analysis - Kaski, Nikkilä, al. (2000) (Correct)
ordered map display constructed using the **Self-Organizing Map** algorithm. The detected structures can be
and hierarchical trees. Our alternative is a **graphical** map display, a regular grid on which closeby
Self-Organizing Map algorithm. Intuitively the **graphical** map display then corresponds to a nonlinear but
www.cis.hut.fi/~sami/papers/ssgrr00.ps.gz

A Neural Network Based Classifier and Biofeedback Device.. - Fasel, Bollacker, Ghosh (Correct)
Connectionist approaches, such as Kohonen's **self organizing map** algorithm, seem a logical approach to this
network architecture is employed to build a **graphical** biofeedback device that allows the user to
www.ece.utexas.edu/~fasel/ICJNN_draft/ICJNN_Final.pdf

Unsupervised Learning - Buhmann, Maass, Ritter, Tishby (1999) (Correct)
University of Aachen, Germany Kohonen's **self-organizing map** (SOM) visualizes the structure of data
Framework for Learning 23 28 Clustering in **Graphical** Models 24 29 Minimum Description Length

with W. Bialek and F. Pereira. 28 Clustering in **Graphical** Models Volker Tresp Siemens AG, Munich,
ftp.dagstuhl.de/pub/Reports/99/99121.ps.gz

On the Choice of Organization Measures for Self-Organizing.. - Polani (1995) (Correct)
: 6 3 Organization Measures for **self-organizing maps** 8 3.1 Inversion measures :
can be obviously detected by inspection of the **graphical** representation of SOFMs during training. But
ftp.informatik.uni-mainz.de/pub/papers/techrep/1995/polani_organization-measures_95-1.ps.

Utilizing the Topology Preserving Property of Self-Organizing .. - van der Putten (1996) (Correct)
the Topology Preserving Property of **Self-Organizing Maps** for Classification Peter van der Putten
Interface Based On The Movies Class Library ,Forms **Gui** Library And Silicon Graphics GI (graphics
.38 B.2 MOvieS **graphical** user interface .
www.wi.leidenuniv.nl/~putten/library/thesis.ps.gz

Dynamic Extentions of Self-Organizing Maps - Göppert, Rosenstiel (1994) (Correct)
Dynamic Extentions of **Self-Organizing Maps** Josef G OPPERT and Wolfgang ROSENSTIEL
zero, in order to come to a more discriminative **graphical** representation. A reduction to zero would
www-ti.informatik.uni-tuebingen.de/~goeppert/papers/sorrento94.ps.gz

The Adaptive Recognition of On-line.. - Schomaker.. (1993) (Correct)
vectors that are clustered using a Kohonen **Self-Organizing Map** as a feature quantizer. In the current
In a practical situation, the user will see the **graphical** user interface of his own computer, e.g.
Allograph Labeling, is a manual process using a **graphical** pen-driven interface. A list of rules/criteria
hwr.nici.kun.nl/./papers/schomaker/iwfhr3-buffalo-demo.ps.gz

Data Mining and Document Modeling - Honkela (Correct)
neural network techniques, e.g. Kohonen's **self-organizing map**, are used in clustering and data
between attributes. 6.2.3 Visualization Several **graphical** means have been proposed for visualizing
set of HTML documents that can be viewed using a **graphical** WWW browser, like Mosaic or Netscape, at the
saato014.hut.fi/Hyotyniemi/publications/./97_report106/HONKELA.ps

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